



Volume 65 Number 3

www.phil-mont.org

March 2014

*The Regular Club Meeting Will be on Wednesday the 12th in the
Roxborough Hospital Cafeteria at 7:30*

The *Technigram* makes a comeback with Doug's switch box!

Daylight Savings Begins on Sunday the 9th: set your clocks ahead Saturday night!

The conclusion of *History of Car Radio* from Bill, W3AOK

March 20th is the First Day of Spring! *Alleluia!*



*Hmm... must be The Famous "Northern and Western
Suburbs" aka KA3IRJ QTH in Sunbury!*

<i>The Blurb</i> is published monthly by and for the members of The PHIL-MONT MOBILE RADIO CLUB, Inc., whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs. Requests should be sent to the Editor. Subscriptions are available to non-members for \$12, addressed to the Treasurer. Editor: Rick DeVirgiliis ND3B nd3b@arrl.net 215-908-7225 Labels and mailing: KB3IV Submissions deadline: All copy must be in the hands of the Editor by the 20th of the previous month.		Directors: WA3KIO(14) WU3I (14) KB3SJS(14) N3QV(15) ND3B(15) W3RM(15) KB2ERL(A)		Contact Phil-Mont: P.O. Box 88 Abington, PA 19001 http://www.phil-mont.org Website: Eric N3QV & Andrew KC2PMW For club information: Contact any club officer, or the repeaters listed below. Address or club directory changes and articles for the membership e-mail list should be sent to: KB3IV			
		Sunday Morning Net Schedules • 2 Meter/ 70cm Net..... at 0930L on W3QV repeater • 10-on-10 Net at 1000L 28.393 MHz USB (±QRM) • 75 meter Net at 1020L 3.993 MHz LSB • ARES at 2100L on the W3QV repeater					
Committees Audit: NS3K Blurb folding: KB3IV & N3GLU Directory: KB3IV Field Day: KC2PMW		Internet: N3QV & KC2PMW Membership: KB3SJT Net Control: KB3IV		Program: Club VP Publicity: W3RM Refreshments: W3AOK Repeater: W3AOK		Scholarship: W3RM Sunshine: N3GLU VE Program: NS3K Welcome: N3UBY Youth: KC2PMW	

All visitors are welcome!

The club meets at 7:30 PM on the *second* non-holiday Wednesday each month except July and August at **Roxborough Memorial Hospital**, 5800 Ridge Avenue, Philadelphia, PA 19128
Maps and directions are available at www.phil-mont.org.

License Examinations are held on the fourth **non-holiday Thursday** each month at **Community Ambulance Association, 1414 E. Butler Pike, Ambler PA 19002**
Registration begins at 7:00 P.M. Applicants should contact Jim McCloskey NS3K at 215-275-2979 or jmccloskey@msn.com for the latest information.

Club Stations W3QV/R: The Jim Spencer Memorial Repeater System
Ridge & Port Royal Avenues, Philadelphia, PA **Trustee: W3RM**
147.03 MHz + PL 91.5 Hz 444.80 MHz + PL 186.2 Hz
Reach us on EchoLink through W3QV-R
W3AA Trustee: WU3I
W3EM: Field Day/special event station Trustee: N3QV

The Officers

Pres: KA3IRJ Fred Uebelhoer Jr. fred@ksecorp.com
Vice Pres: W3STW Al Tribble wstw@juno.com
Sec: WA3DSP Doug Crompton doug@crompton.com
Treas: NS3K Jim McCloskey jmccloskey@msn.com

The Prez Sez ...



It's Been a Long Hard Winter.....

But isn't your Ham Shack a great respite from the abominable weather we have had of late? I know my toasty corner is a welcome sight after a long, hard, and cold day up here on [Arefe Knob](#) and I hope yours has been an oasis for you as well. Despite the cold, snow, ice storms, and other weather mayhem, it has been a very productive month at Phil-Mont. A number of our new projects are underway and I want to thank all of you who wrote, called, or sent me words of encouragement over the airwaves regarding these changes. It was very nice to receive your kind words and I really do appreciate them.

One of those projects you may have noticed is the new "Phil-Mont Minute" announcements on the Repeater courtesy of my good friends [Alison](#) and Richard Rupert of [Green Valley Recording Studios](#). If you listen to any major commercial broadcast outlets you have heard Alison before as she does the voiceovers for many national marketing campaigns on radio and TV, including many broadcast in the Philadelphia area.

Another exciting development comes to us courtesy of our own Barry Feerman (K3EUI). Barry who teaches Physics happens to have an "in" with [Dr. Joe Taylor \(K1JT\)](#) and as a result of Barry's efforts Dr. Taylor will be speaking to us at a Special Meeting to be held later in the year! For those unfamiliar, Dr. Taylor is [digital pioneer](#), the author of some of the most efficient and popular digital modes ([WSPR](#) & [JT-65](#) for examples) in use today, and (oh yea – ahem...) he happens to be a [Nobel Laureate](#) having won the Nobel Prize for Physics in 1937! Many thanks to Barry for bringing us this iconic speaker and for making Phil-Mont history!

The Blurb

March 2014

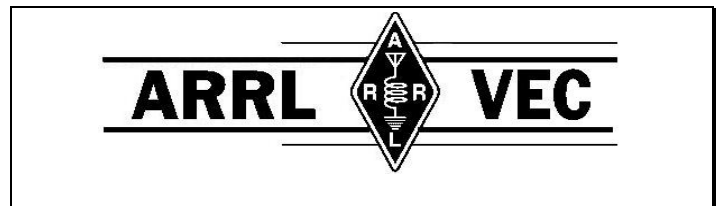
And speaking of Technical things, do not miss Doug Crompton's (WA3DSP) excellent project in this month's newly resurrected "Technigram." Thank you Doug for a truly superb and very professional job!

On another subject, and although I was personally ready to make the trip, our February Meeting was unfortunately canceled owing to the inclement weather. However the March General Meeting is right around the corner and I am looking forward to seeing as many of you as possible there. Remember we will be in the meeting room adjacent to the cafeteria and not the Wolcoff Auditorium and FYI, we are currently investigating other venues for the meeting place. I will keep you informed of the progress on that score.

Finally, we are interested in what **YOU** would like to see Phil-Mont doing. Most of the changes so far have been long overdue and involve improving communication with the Membership, but now we want to know what direction you would like to see the Phil-Mont Mobile Radio Club moving in. To that end enclosed in this Blurb please find a short survey form. Please take 5 minutes, fill it out, and send it to me via email or surface mail. My address info is on the form and I guarantee a personal response. I am genuinely interested in what you want to do as a Club and am anxiously awaiting your input.

See you on the airwaves (3.924 @ 9:30 PM daily), and don't forget [Field Day](#) and [Ham Camp](#) are right around the corner!

73de Fred, KA3IRJ



***The VE test session is Thursday evening
the 27th this month.***

As always, many thanks to our VE team!

Fred received this note from Sam's daughter Janet regarding the installation of his temporary station at her house

***Phil-Mont Birthdays
& Tidbytes***

March BIRTHDAYS

01 John Furlong – KC2TUT

03 Elaine Spencer (Honorary Member)

06 Tina Furlong (XYL KC2TUT)

Bryan Kobe - KB3WHR

09 Fayette Toren (XYL N2MT)

11 Reuven Gevaryahu - KB3EHW

13 Rosemary Canuso (XYL N2ATB)

15 Dottie Scialdone-Maresca - K3YPH

22 Lee Adams - KB3YFG

24 John Wright – K3CHR

27 William (Red) MacKenzie - W3RED

28 Barbara Stein (XYL KB3AFH)

Tony Canuso – N2ATB

30 Robert H. Rose – N3TWO

31 Chris Ruhl - N3GBJ

MEMBERSHIP STATS

At press time P.M.R.C. had:

83 Full paid members

10 Family members

2 Youth members

1 Honorary member

1 Pending member

From the Secretary...

There are no board meetings in February. The February meeting was canceled due to inclement weather. -ed

... When we got back from Maryland, he went upstairs and didn't come down until dinner and then went back up!! Took hours to get him out of his coat and hat!! You guys all did such a wonderful job! We can't thank you enough! We're going to print out the manual and instruction sheet today and I guess he will disappear back upstairs again. Have to coax him downstairs with food!! :) Thanks again! Hi to Penny...

Thanks,
Janet

This month we kick off a new, but actually old, addition to the Blurb, the "Technigram." Many of you who have joined our ranks in the last twenty or more years will have no idea what that is. It was a page in the Blurb of years ago that described a technical project, like an antenna, a simple transmitter or modulator or it could have given hints and kinks on how to solve problems like TVI or ignition noise. Early contributors would have been W3QQH, W3VVS, W3QZO and many others. The title "Technigram" was probably introduced sometime around 1960 when Bill and Allen Bubeck were publishing the Blurb.

Today the projects may have changed but the desire to share them is still with us. So, with this month's Blurb we again kick off the "Technigram" series. There is one very important thing we now have that was not even dreamed about when the first "Technigrams" were published and that is the Internet. This allows us to summarize a project in one page here in the Blurb and provide links to a more complete article on the Web. We hope you enjoy this "Technigram" project and we encourage you to submit your own small projects or hints and kinks that you may have created for future publications of the Blurb. Contact Doug, WA3DSP, doug@crompton.com if you would like to submit a project. Thanks to Bob, W3NE for historical information about the past Technigrams in the Blurb.

A Microphone Switch Box for the Ham Shack

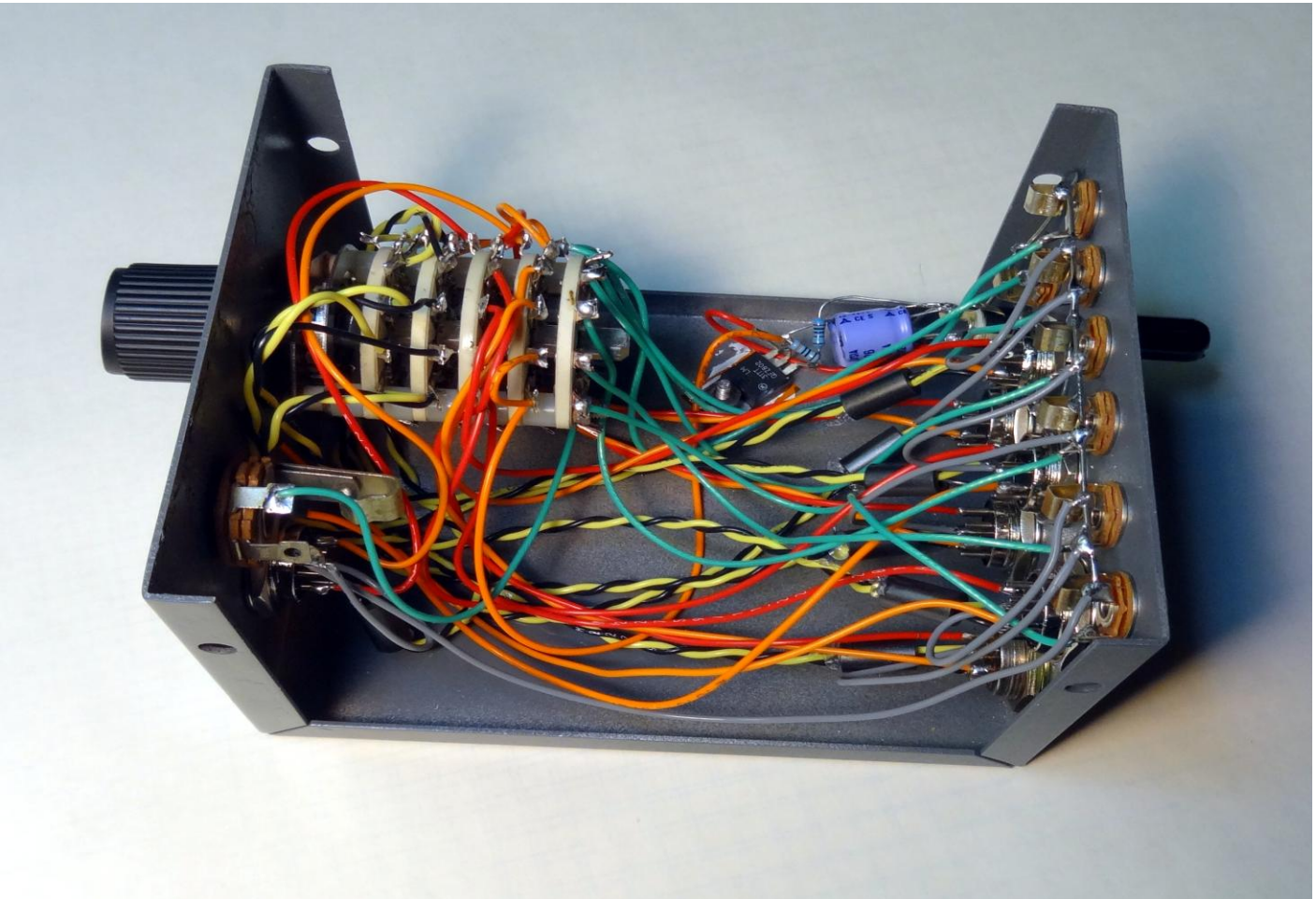
by Doug, WA3DSP

Like many Amateur Radio Operators I have a number of rigs at my operating position. I also have my favorite microphone, a D104, with a source follower FET amplifier to match the high impedance element to modern low impedance 600 ohm inputs. Having six D104's to service all of my operating position HF rigs would not be very practical so I designed a switch box to allow the one microphone to be used with up to six rigs of any impedance input. I have also incorporated CW key switching capability.

Since most all modern rigs use powered microphones I switch the power as well. In my case it powers the FET in my D104. For older rigs that do not have microphone power I included an 8 volt regulator powered from an external 12 volt source.



As you can see in the photos the switch box is built in a Bud aluminum minibox and painted gray. Located on the front panel is the microphone and CW key inputs and the selector switch. On the back are the six microphone and CW key outputs and the 12V input for rigs that do not have power available at the microphone jack.



This photo shows the internal wiring. There is no need to be neat and route the wires in harnesses or anything like that but the microphone leads should be twisted pairs and it does not hurt to add a ferrite sleeve over the twisted pair at the input and output jacks as shown.

The purpose of this project is to give the reader ideas on how you might do this in your station. There is no requirement to assemble this exactly the way I did. I have incorporated the box as shown into my station and I use all six positions with a combination of new and old rigs. I have a Kenwood TS-590 and TS-570, an Icom IC-7000, a Collins KWM-2A, a Heath HW-101, and a Johnson Ranger all working well together. To switch rigs I turn the antenna switch and the microphone switch and in seconds I am on a different rig.

Because of limited space in the Blurb I have created a web page with a schematic, parts list, more photos, and a more detailed description.

View the entire project at <http://www.crompton.com/hamradio/projects/switchbox/MicSwitchBox.html>

I would be glad to answer any question you may have, 73, Doug, WA3DSP - doug@crompton.com

The History of Car Radio de Bill, W3AOK

WHATEVER HAPPENED TO...

The two men who installed the first radio in Paul Galvin's car, Elmer Wavering and William Lear, ended up taking very different paths in life.

Wavering stayed with Motorola. In the 1950's he helped change the automobile experience again when he developed the first automotive alternator, replacing inefficient and unreliable generators. The invention lead to such luxuries as power windows, power seats, and, eventually, air-conditioning.

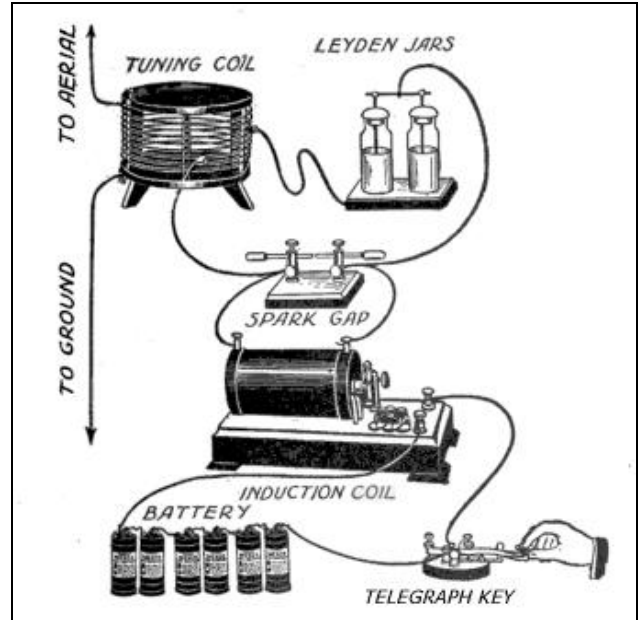
Lear also continued inventing. He holds more than 150 patents. Remember eight-track tape players? Lear invented that. But what he's really famous for are his contributions to the field of aviation. He invented radio direction finders for planes, aided in the invention of the autopilot, designed the first fully automatic aircraft landing system, and in 1963 introduced his most famous invention of all, the LearJet, the world's first mass-produced, affordable business jet. (Not bad for a guy who dropped out of school after the eighth grade.)

Sometimes it is fun to find out how some of the many things that we take for granted actually came into being! And it all started with a woman's suggestion!

Many thanks Bill this was a great story!

New Member approved by board via email pending this listing in Blurb

Stefan M Didizian
KB3VLY (General)
2310 Fairway Rd
Huntingdon Valley, PA 19006
USA
stephan@didizan.net



I wonder how many pages were in the manual?

For Sale:

- 1/8" (290#) & 3/16" (380#)**
- Dark Olive Drab Braided Cord**
- **100% Polyester/Dacron Knit Braided. Nice stuff! Tough and long lasting**
- **UV Resistant and Low Stretch**
- Proudly Made in the U.S.A.!**
- Contact Steve WU3I at wu3i@arrl.net or 215-605-6074**

Asus netbook win 7 home 150.00
Motorola zoom, droid 4.1 200.00
LDG Autotuner at200pc 75.00

Contact Ted Katz N3OWM, 856-663-5962

Membership Survey

Your Name:

Call Sign:

Telephone Number:

Email:

1) What kind of programs would you like to see Phil-Mont Sponsor/Promote? (check any and all you wish)

- ☐ **Builder Group to Hold "Building Sessions"**
- ☐ **License Upgrade Classes**
- ☐ **A Purely Social Event (Summer Picnic, Dinner, Dancing, Bowling, Etc.)**
- ☐ **"How to" Sessions – (Ex. Mobile Installation – Dipole Antenna)**
- ☐ **Youth Group Meetings – Separate Sessions for Young Members**
- ☐ **"Hint & Kinks" Type Column in the Blurb**
- ☐ **An Antenna Installation "Squad" to Help Members with Antennas**

2) Would you be willing to help organize/assist with any of the above?

- ☐ **Yes!**
- ☐ **No thanks**

3) Do you have HF Capability?

- ☐ **Yes!**
- ☐ **No, or not currently**

4) If no, would you like help setting up your own HF Station?

- ☐ **Yes**
- ☐ **No thanks**

5) How often do you use the Phil-Mont Repeaters?

- ☐ **Daily**
- ☐ **Weekly**
- ☐ **Rarely**
- ☐ **Never**

6) If you could see Phil-Mont do anything at all, what would it be? (Think big and be bold!)

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If you have any other comments please feel free to write them here:

Fred Uebelhoer KA3IRJ
P.O. Box 253
Sunbury, PA 17801
fred@ksecorp.com
610-310-2877

March at Phil-Mont

- 2nd WU3I – NCS
- 4th Mardi Gras
- 5th Board Meeting
- 9th KB3IV – NCS
- Daylight Savings begins
- 12th General Meeting
- 15th Purim begins at sundown
- 16th KB3IV – NCS
- 17th St. Patrick's day
- 23rd W3STW - NCS
- 27th Evening VE session
- 30th N3QV – NCS

Don't forget the ARES net on Sunday nights and the Digital net on Tuesday nights.

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First Class Mail

The Phil-Mont Mobile Radio Club, Inc
1700 Street Rd. Apt. H3, Warrington PA, 18976

The Blurb